SOFTWARE HOUSE®

DATA SHEET

RM-DCM-2

Door Control Module with Enclosure

Shown with optional I8 input module, R8 output module, and battery

Features That Make a Difference:

- Full-featured local door control module lowers wiring costs
- Complete set of inputs and outputs to control one door
- Flexible control options for reader LEDs and beep patterns
- Easily expandable
- Additional internal etch connections support magnetic lock features and accommodate local bypass switch
- Optional LCD provides clear instructions that help simplify startup and diagnostics
- Status LEDs on inputs and outputs for quick troubleshooting
- Built-in tamper switch provides secure installation
- Plug-in screw terminals reduce installation time

Put a full-featured RM-4E door control module in a UL listed, tamper-protected enclosure and you have the powerful Software House® RM-DCM-2. RM-DCM-2 is designed to support up to two RM-4Es and a choice of up to two I8 input boards or R8 output boards, providing a single enclosure for doors with IN and OUT readers.

RM-DCM-2 supports both Wiegand and magnetic stripe readers and provides additional wiring to magnetic locks if required.

The RM-4E modules create the connectivity between a reader and a control panel when third party card readers are used on a C•CURE® system. In addition, the RM-4E modules provide two supervised inputs and two SPDT relays (no ARM-1s are necessary). The LEDs and optional LCD display provide diagnostics to simplify the installation.

RM-DCM-2 provides standby power with its built-in uninterruptible power supply (UPS).

With its robust feature set, RM-DCM-2 is designed to handle the most demanding access control applications with ease while offering numerous installation and service features that lower its life cycle cost.

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SPECIFICATIONS

Physical

Enclosure Dimensions (H x W x D) . .356 x 305 x 89 mm (14 x 12 x 3.5 in)
RM-4E Board-Only
Dimensions (H x W) . . . . . .136 x 181 mm (5.375 x 7.125 in)
Weight (with 4Ah battery) . . . . . .5.9 kg (11 lbs)
Weight (without battery) . . . . . .4.5 kg (8 lbs)
Construction. . . . . .20 AWG metal wall mounted locking cabinet with tamper switch on door

Environmental

Operating and Storage
Temperature . . . . . .0 ° to 50°C (32° to 122°F)
5 to 95% RH, non-condensing

Electrical

Power Requirements
without Reader or Relays . . . . . .+12 VDC +/- 5% or +24 VDC +/-10%, 280 mA max
Power Requirements, Maximum,
with Reader and Relays . . . . . .+12 VDC +/- 5% or +24 VDC +/-10%, 550 mA max
Output Relay Power Ratings. . . . . .Up to 30 VAC/DC, 5A maximum
Reader LED Output Controls . . . . . .4.0 volts to 5.25 volts, 20mA max
Power Available for Reader. . . . . .5 VDC +/- 10% or 12 VDC +/- 10%, 125mA max (at 5V or 12V)
Optional Battery . . . . . .12V/4Ah battery provides nominal 4 hours backup time

Regulatory

UL 294
CE, including EN50081-1, EN50130-4, EN50133
FCC Part 15 Class A
RoHS

Communications

Communications Bus . . . . . .RM bus from iSTAR controller or apC/8X panel
Communications Type . . . . . .RS-485 half duplex, two-wire
Maximum Distance. . . . . .1,219 m (4,000 ft)

Reader, Inputs & Outputs

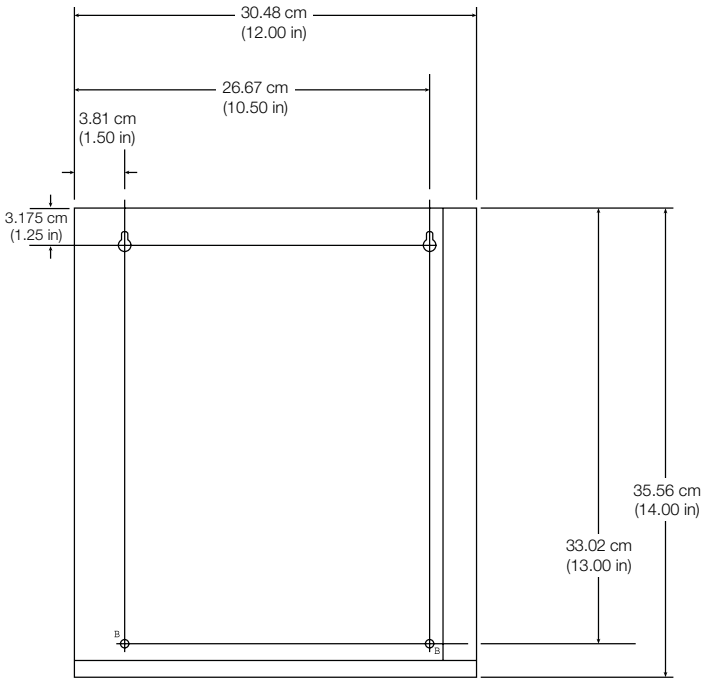
Reader Ports . . . . . .One
Reader Support . . . . . .Wiegand or magnetic stripe
Reader Control Lines Available . . . . .Red LED, green LED, yellow LED, beeper
Keypad Support . . . . . .Terminals provided for external 3x4 matrix keypad
Supervised Inputs. . . . . .Two, double-resistor
Output Relays. . . . . .Two, Form C, dry contact
Tamper Input . . . . . .One

Indicators and Switches

Three status LEDs for each supervised input
LED on each relay output
LEDs for RS-485 transmit and receive
LED for power-on
Optional LCD for diagnostics
Eight position dipswitch for feature selection:

- Wiegand/magnetic stripe reader type
- Tamper bypass
- LED pattern
- RM bus termination
- Input LED disable

Mounting Specifications



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